

Notice of Allowability

Application No.

10/065,354

Examiner

Cheukfan Lee

Applicant(s)

CHANG, CHIN-LIN

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an authorization for an Examiner's Amendment in a telephone interview on January 10, 2007.
2. ☒ The allowed claim(s) is/are 1-11 and 19-28, now renumbered 1-21, respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s).

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


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1. Mr. Michael J. Willardson authorized charge of \$120.00 for **EXTENSION OF ONE MONTH** to Deposit Account number 50-3703, in the telephone interview dated January 10, 2007. (For this account number, see last page of Applicant's Remarks filed Nov. 13, 2006).

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in the telephone interview with Mr. Willardson on January 10, 2007. Mr. Willardson agreed to cancel rejected claims 13-18 in order to place the application in condition for allowance.

3. **Please amend the claims as follows:**

Cancel claims 13-18.

4. The following is an examiner's statement of reasons for allowance:

As indicated in the Advisory Action dated December 12, 2006, the art rejections of independent claims 1, 6, 22, and 26 and their dependent claims 2-5, 7, 8, 23-25, 27, and 28 were withdrawn. The art rejections of independent claims 9 and 19 and their dependent claims 10, 11, 20, and 21 were also withdrawn. The reasons for the

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withdrawal of the rejections are the reasons for allowance of claims 1, 6, 22, 26, 9, and 19 and their dependent claims, which are repeated below.

Claims 1, 6, 22, and 26 and their dependent claims 2-5, 7, 8, 23-25, 27, and 28 are allowable over the prior art of record. Although Natori (U.S. Patent No. 4,908,717) states that a light source of an image scanner, such as a fluorescent lamp, has suffered a disadvantage that the intensity of illumination around both end portions of the fluorescent light tube of the lamp is remarkably reduce, during prolonged use, consequently to make the distribution of light uneven (col. 1, lines 22-27), and discusses various means for and methods of generating a more uniform illumination distribution at the light source output, Natori does not suggest that the means and methods include employing a first light source and a second light source at the end of the light tube as claimed. It is concluded that it would not have been obvious to one of ordinary skill in the art at the time the invention was made to include a first light source and a light source as claimed.

In addition, the examiner agrees with Applicant on that the coating material (phosphor 24) on the light tube of Ichikawa et al. (U.S. Patent No. 6,919,974) is not total reflective material, a material claimed in independent claims 1 and 26. Ichikawa et al. discloses that "A reflective film may be provided between the tube 21 and the phosphor 24" except the angle range α (col. 4, lines 14-16).

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Claims 9 and 19 and their dependent claims 10, 11, 20, and 21 are allowable over the prior art of record. The examiner agrees with Applicant on that the phosphor coating (24) on the light tube of Ichidawa et al. (U.S. Patent No. 6,919,974) is not a total reflective material, a material claimed in claims 9 and 19, and the fluorescent coating of Beeman (U.S. Patent No. 6,917,452) is not a total reflective material, a material claimed in claims 9 and 19, although Beeman teaches applying the coating such that the density of the coating at the two ends portions of the light tube is higher than that at the center portion as claimed. Ichikawa et al. discloses that "A reflective film may be provided between the tube 21 and the phosphor 24" except the angle range α (col. 4, lines 14-16).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Applicant is reminded of the improper claim of foreign priority file with the Combined Declaration and Power of Attorney on October 8, 2002. An "X" is placed under "No" in the foreign priority claim form.

Please refer to M.P.E.P. 201.11, page 200-66, section f, and also Rule 1.78(a) for filing a petition and fee for properly claiming foreign priority (or delayed claiming of foreign priority).

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheukfan Lee whose telephone number is (571) 272-7407. The examiner can normally be reached on 9:30 a.m. to 6:00 p.m., Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Cheukfan Lee
January 10, 2007